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**PTAS** 

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ASSIGNOR:

PE CORPORATION (NY)

DOC DATE: 06/28/2002

**ASSIGNEE:** 

APPLERA CORPORATION 301 MERRITT 7, P.O. BOX 5435 GLOBAL HEADQUARTERS NORWALK, CONNECTICUT 06856-5435

SERIAL NUMBER: 09933267

PATENT NUMBER:

FILING DATE: 08/21/2001

ISSUE DATE:

TITLE: ESTROGEN RECEPTOR ALPHA VARIANTS AND METHODS OF DETECTION THEREOF

DOCKET NUMBER: CL000258CI4

SERIAL NUMBER: 09768185 FILING DATE: 01/24/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ESTROGEN RECEPTOR BETA VARIANTS AND METHODS OF DETECTION THEREOF

DOCKET NUMBER: CL000280

SERIAL NUMBER: 09741148 FILING DATE: 12/21/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTÉR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000566

SERIAL NUMBER: 09727770 FILING DATE: 12/04/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000651

SERIAL NUMBER: 09729094 FILING DATE: 12/05/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000662

SERIAL NUMBER: 09735932 FILING DATE: 12/14/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

INCODING HUM AN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000663

SERIAL NUMBER: 09822268 FILING DATE: 04/02/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER

PROTEINS

DOCKET NUMBER: CL000667

SERIAL NUMBER: 09748127 FILING DATE: 12/27/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED NUCLEIC ACID MOLECULE ENCODING CYTOCHROME P450

DOCKET NUMBER: CL000685

SERIAL NUMBER: 09614150 FILING DATE: 07/11/2000

PATENT NUMBER: ISSUE DATE:

TITLE: DETECTION KITS, SUCH AS NUCLEIC ACID ARRAYS, FOR DETECTING THE

EXPRESSION OR 10,000 OR MORE DROSOPHILA GENES AND USES THEREOF

DOCKET NUMBER: CL000728

SERIAL NUMBER: 09810673 FILING DATE: 03/19/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING HUMAN ION CHANNEL

PROTEINS

DOCKET NUMBER: CL000723

SERIAL NUMBER: 09619049 FILING DATE: 07/18/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED DROSOPHILA PROTEINS ESSENTIAL FOR SURVIVAL NUCLEIC ACID MOLECULES ENCODING ESSENTIAL DROSOPHILA PROTEINS, AND USES THEREOF

AS INSECTICIDAL TARGETS

DOCKET NUMBER: CL000735

SERIAL NUMBER: 09738878 FILING DATE: 12/18/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN DRUG-METABOLIZING PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN DRUG-METABOLIZING PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000744

SERIAL NUMBER: 09629817 FILING DATE: 07/31/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS OF THE MAS PROTO-

ONCOGENE SUBFAMILY, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR

PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000745

SERIAL NUMBER: 09630719 FILING DATE: 08/02/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS OF THE SUFALTE SUBFAMILY,

NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS, AND

USES THEREOF

DOCKET NUMBER: CL000746

SERIAL NUMBER: 09633145 FILING DATE: 08/04/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING HUMAN G-PROTEIN COUPLED

RECEPTORS

DOCKET NUMBER: CL000747

SERIAL NUMBER: 09633146 FILING DATE: 08/04/2000

PATENT NUMBER: ISSUE DATE:

TITLE: RIBOZYMES CLEAVING RNA ENCODING NOVEL TGF-B BINDING PROTEINS

DOCKET NUMBER: CL000748

SERIAL NUMBER: 09634881 FILING DATE: 08/07/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000749

SERIAL NUMBER: 09635593 FILING DATE: 08/09/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000751

FILING DATE: 08/14/2000 SERIAL NUMBER: 09638018

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000754

SERIAL NUMBER: 09637603 FILING DATE: 08/15/2000

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING A HUMAN G-PROTEIN COUPLED

RECEPTOR

DOCKET NUMBER: CL000755

FILING DATE: 02/16/2001 SERIAL NUMBER: 09784340

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING HUMAN DRUGMETOBOLIZING

PROTEINS

DOCKET NUMBER: CL000763

FILING DATE: 09/20/2000 SERIAL NUMBER: 09666535

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000782

FILING DATE: 09/10/2001 SERIAL NUMBER: 09948947

ISSUE DATE: PATENT NUMBER:

TITLE: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH TYPE II DIABETES AND

OBESITY, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL000786

FILING DATE: 09/10/2001 SERIAL NUMBER: 09948933

ISSUE DATE: PATENT NUMBER:

TITLE: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH CARDIOVASCULAR DISEASE

AND LIPID DISORDERS, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL000787

FILING DATE: 09/10/2001 SERIAL NUMBER: 09948941

ISSUE DATE: PATENT NUMBER:

TITLE: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH CANCER, METHODS OF

DETECTION AND USES THEREOF

DOCKET NUMBER: CL000788

FILING DATE: 09/10/2001 SERIAL NUMBER: 09949001

ISSUE DATE: PATENT NUMBER:

TITLE: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH OSTEOPOROSIS, METHODS

OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL000789

FILING DATE: 10/02/2001 SERIAL NUMBER: 09969002

ISSUE DATE: PATENT NUMBER:

TITLE: DEVICE FOR RECONSTRUCTING A RUNLENGTH CONSTRAINED SEQUENCE

DOCKET NUMBER: NL000540

SERIAL NUMBER: 09949654 FILING DATE: 09/12/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000817

SERIAL NUMBER: 09708700 FILING DATE: 11/09/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECREDTED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000840-PROV

SERIAL NUMBER: 09708724 FILING DATE: 11/09/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000841

SERIAL NUMBER: 09708723 FILING DATE: 11/09/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL00843

SERIAL NUMBER: 09949004 FILING DATE: 09/10/2001

PATENT NUMBER: ISSUE DATE:

TITLE: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH GPCR-MEDIATED DISEASE,

METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL000848

SERIAL NUMBER: 09816685 FILING DATE: 03/26/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000856

SERIAL NUMBER: 09749589 FILING DATE: 12/28/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000861

SERIAL NUMBER: 09684390 FILING DATE: 10/10/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN TRANSPORTER PROTEINS AND USES THEREOF

DOCKET NUMBER: CL000868

SERIAL NUMBER: 09684393 FILING DATE: 10/10/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

UPK/ADDIUNMENTD 5/11/U4 9:46 PAGE //22 KIRDTFAK

ENCODING HUMAN GACR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000865

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SERIAL NUMBER: 09685852 FILING DATE: 10/11/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORATER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000872

SERIAL NUMBER: 09804474 FILING DATE: 03/13/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000891

SERIAL NUMBER: 09691220 FILING DATE: 10/19/2000

PATENT NUMBER: ISSUE DATE: TITLE: NUCLEIC ACID ENCODING RETINOIC ACID RECEPTOR

DOCKET NUMBER: CL000893

SERIAL NUMBER: 09691219 FILING DATE: 10/19/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000894

SERIAL NUMBER: 09947907 FILING DATE: 09/07/2001

PATENT NUMBER: ISSUE DATE:

TITLE: COLLECTION OF CODING REGION SINGLE NUCLEOTIDE POLYMORPHISM (CSNPS)

LOCATED ON EACH OF THE HUMAN CHROMOSOMES, METHODS OF DETECTION, AND

USES THEREOF

DOCKET NUMBER: CL000896

SERIAL NUMBER: 09694821 FILING DATE: 10/24/2000

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000899

SERIAL NUMBER: 09867570 FILING DATE: 05/31/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES

ENCODING HUMAN GPCR PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000900CIP

SERIAL NUMBER: 09872995 FILING DATE: 05/31/2001

PATENT NUMBER: ISSUE DATE:

TITLE: METHOD OF VISUALIZING NETWORK TRAFFIC

DOCKET NUMBER: 05623.P001

SERIAL NUMBER: 09761640 FILING DATE: 01/18/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN PHOSPHATASE PROTEINS, NUCLEIC ACID MOLECULES

DOCKENMENTS -DOCK-RS

ENCODING HUMAN PHOSPHATASE PROTEINS, AND USES THEREOF DOCKET NUMBER: CL000964 `IP

014615/0004 PAGE 7

FILING DATE: 04/02/2001 SERIAL NUMBER: 09822853

ISSUE DATE: PATENT NUMBER:

TITLE: METHOD AND DEVICE FOR MEASURING SIMILARITY BETWEEN IMAGES

DOCKET NUMBER: Q59547

SERIAL NUMBER: 09829432 FILING DATE: 04/10/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001013-CIP

FILING DATE: 12/19/2000 SERIAL NUMBER: 09739457

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001014

SERIAL NUMBER: 09783130 FILING DATE: 02/15/2001

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001048

SERIAL NUMBER: 09805456 FILING DATE: 03/14/2001

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001062

FILING DATE: 06/13/2002 SERIAL NUMBER: 10170235

ISSUE DATE: PATENT NUMBER:

TITLE: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF MOUSE

EXONS OR TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES

THEREOF

DOCKET NUMBER: CL001101-CIP

SERIAL NUMBER: 09777921 FILING DATE: 02/07/2001

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001103

FILING DATE: 02/08/2001 SERIAL NUMBER: 09778961

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN PHOSPHOLIPASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001113

FILING DATE: 03/14/2001 SERIAL NUMBER: 09805455

PATENT NUMBER: 6743904

TITLE: ISOLATED HUMAN F -LIKE PROTEINS, NUCLEIC ACID ( LECULES ENCODING THESE HUMAN RAS-LIKE PROTEINS, AND USES THEREOF DOCKET NUMBER: CL001165

SERIAL NUMBER: 09809629 FILING DATE: 03/16/2001

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN RAS-LIKE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

THESE HUMAN RAS-LIKE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001168

FILING DATE: 03/30/2001 SERIAL NUMBER: 09821725

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING A HUMAN TRANSPORTER PROTEIN

DOCKET NUMBER: CL001211

FILING DATE: 04/09/2002 SERIAL NUMBER: 10118328

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN RAS-LIKE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

THESE HUMAN RAS-LIKE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001220

FILING DATE: 06/25/2002 SERIAL NUMBER: 10178782

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001242-ORD

SERIAL NUMBER: 09900448 FILING DATE: 07/09/2001

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001272

FILING DATE: 07/13/2001 SERIAL NUMBER: 09903582

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001274

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948095

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 2, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001279

FILING DATE: 09/07/2001 SERIAL NUMBER: 09947906

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 3, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001280

SERIAL NUMBER: 09947905 FILING DATE: 09/07/2001

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 4, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL0001281

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FILING DATE: 09/07/2001 SERIAL NUMBER: 09947931

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 5, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001282

SERIAL NUMBER: 09947610 FILING DATE: 09/07/2001

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISMS (SNPS) LOCATED ON

CHROMOSOME 8, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001285

FILING DATE: 09/07/2001 SERIAL NUMBER: 09947926

PATENT NUMBER: ISSUE DATE:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 9, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001286

SERIAL NUMBER: 09947918 FILING DATE: 09/07/2001

PATENT NUMBER: ISSUE DATE:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 10, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001287

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948093

PATENT NUMBER: ISSUE DATE:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 11, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001288

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948097

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 12, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001289

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948089

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 13, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001290

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948111

ISSUE · DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM ( SNPS) LOCATED ON

CHROMOSOME 14, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001291

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948130

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 15, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001292

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FILING DATE: 09/07/2001 SERIAL NUMBER: 09947919

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 18, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001295

SERIAL NUMBER: 09947915 FILING DATE: 09/07/2001

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME 20, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001297

FILING DATE: 09/07/2001 SERIAL NUMBER: 09947911

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPS) LOCATED ON

CHROMOSOME X, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001300

FILING DATE: 09/07/2001 SERIAL NUMBER: 09948124

ISSUE DATE: PATENT NUMBER:

TITLE: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISMS (SNPS) LOCATED ON

CHROMOSOME Y, METHODS OF DETECTION AND USES THEREOF

DOCKET NUMBER: CL001301

SERIAL NUMBER: 09978167 FILING DATE: 10/17/2001

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001303

SERIAL NUMBER: 10067977 FILING DATE: 02/08/2002

ISSUE DATE: PATENT NUMBER:

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001313

SERIAL NUMBER: 10090002 FILING DATE: 03/05/2002

PATENT NUMBER: ISSUE DATE:

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001316

FILING DATE: 05/15/2002 SERIAL NUMBER: 10144771

ISSUE DATE: PATENT NUMBER:

TITLE: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF MOUSE

EXONS OR TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES

THEREOF

DOCKET NUMBER: CL0001321

FILING DATE: 03/26/2001 SERIAL NUMBER: 09816094 ISSUE DATE: 03/18/2003 PATENT NUMBER: 6534299

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000536-CIP

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FILING DATE: 03/09/2001 SERIAL NUMBER: 09801874 ISSUE DATE: 06/24/2003 PATENT NUMBER: 6582935

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING HUMAN ASPARTATE

AMINOTRANSFERASE PROTEIN AND USES THEREOF

DOCKET NUMBER: CL000615

SERIAL NUMBER: 09738894 FILING DATE: 12/18/2000 ISSUE DATE: 12/18/2001 PATENT NUMBER: 6331423

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000636

FILING DATE: 12/19/2000 SERIAL NUMBER: 09739455 PATENT NUMBER: 6413756 ISSUE DATE: 07/02/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000653

FILING DATE: 07/03/2000 SERIAL NUMBER: 09609816 ISSUE DATE: 08/20/2002 PATENT NUMBER: 6436684

TITLE: ISOLATED HUMAN DRUG-METABOLIZING PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN DRUG-METABOLIZING PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000669

FILING DATE: 07/03/2000 SERIAL NUMBER: 09609815 ISSUE DATE: 11/05/2002 PATENT NUMBER: 6475731

TITLE: METHODS AND KITS FOR OBTAINING DNA END SEQUENCE INFORMATION FOR

LARGE CLONED INSERTS AND USES THEREOF

DOCKET NUMBER: CL000718

FILING DATE: 08/23/2001 SERIAL NUMBER: 09934551 ISSUE DATE: 10/08/2002 PATENT NUMBER: 6461850

TITLE: ISOLATED NUCLEIC ACID MOLECULES ENCODING PROTEASE PROTEINS, AND

USES THEREOF

DOCKET NUMBER: CL000757

FILING DATE: 03/19/2001 SERIAL NUMBER: 09810671 ISSUE DATE: 09/24/2002 PATENT NUMBER: 6455291 TITLE: PLANTS AND PLANTS CELLS EXPRESSING HISTIDINE TAGGED INTIMIN

DOCKET NUMBER: CL000758

SERIAL NUMBER: 09797908 FILING DATE: 03/05/2001 ISSUE DATE: 04/29/2003 PATENT NUMBER: 6555352

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000781

FILING DATE: 11/09/2000 SERIAL NUMBER: 09711681 ISSUE DATE: 01/07/2003 PATENT NUMBER: 6503743

TITLE: ISOLATED NUCLEIC ACID ENCODING A HUMAN LACTATE DEHYDROGENASE AND

USES THEREOF

DOCKET NUMBER: CL000839

FILING DATE: 11/09/2000 SERIAL NUMBER: 09708725 ISSUE DATE: 12/03/2002 PATENT NUMBER: 6489456

TITLE: ISOLATED HUMAN SECRETED PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN SECRETED PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000842

FILING DATE: 12/14/2000 SERIAL NUMBER: 09735934 ISSUE DATE: 04/16/2002 PATENT NUMBER: 6372468

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000851

FILING DATE: 12/13/2000 SERIAL NUMBER: 09734675 ISSUE DATE: 04/02/2002 PATENT NUMBER: 6365391

TITLE: ISOLATED HUMAN SERINE PROTEASE, NUCLEIC ACID MOLECULES ENCODING

HUMAN SERINE PROTEASE, AND USES THEREOF

DOCKET NUMBER: CL000862

FILING DATE: 10/11/2000 SERIAL NUMBER: 09685853 ISSUE DATE: 11/12/2002 PATENT NUMBER: 6479270

TITLE: ISOLATED HUMAN PHOSPHATASE PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN PHOSPHATASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000871

SERIAL NUMBER: 09691861 FILING DATE: 10/18/2000 PATENT NUMBER: 6482935 ISSUE DATE: 11/19/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000892

FILING DATE: 05/10/2001 SERIAL NUMBER: 09852067 ISSUE DATE: 03/11/2003 PATENT NUMBER: 6531297

TITLE: ISOLATED HUMAN DRUG-METABOLIZING PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN DRUG-METABOLIZING PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000897-CIP-B

FILING DATE: 12/06/2000 SERIAL NUMBER: 09729995 ISSUE DATE: 07/30/2002 PATENT NUMBER: 6426206

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEROF

DOCKET NUMBER: CL000904

SERIAL NUMBER: 09876216 FILING DATE: 06/08/2001 ISSUE DATE: 04/08/2003 PATENT NUMBER: 6544764

TITLE: ISOLATED HUMAN DEHYDROGENASE PROTEINS, NUCLEIC ACID MOLECULES

ENCODING THESE HUMAN DEHYDROGENASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000906-CIP

FILING DATE: 05/17/2001 SERIAL NUMBER: 09858664 PATENT NUMBER: 6482624

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

#### HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL000927( IP

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FILING DATE: 12/20/2000 SERIAL NUMBER: 09740041 ISSUE DATE: 05/13/2003 PATENT NUMBER: 6562593

TITLE: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001001

FILING DATE: 12/13/2000 SERIAL NUMBER: 09734673 PATENT NUMBER: 6410294 ISSUE DATE: 06/25/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001020

SERIAL NUMBER: 09759359 FILING DATE: 01/16/2001 PATENT NUMBER: 6492153 FILING DATE: 12/10/2002 FILING DATE: 01/16/2001

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001043

SERIAL NUMBER: 09740035 FILING DATE: 12/20/2000 ISSUE DATE: 02/05/2002 PATENT NUMBER: 6344353

TITLE: ISOLATED HUMAN PROTEASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN PROTEASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001058

 SERIAL NUMBER: 09741154
 FILING DATE: 12/21/2000

 PATENT NUMBER: 6437110
 ISSUE DATE: 08/20/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001061

FILING DATE: 01/05/2001 SERIAL NUMBER: 09754250 ISSUE DATE: 04/23/2002 PATENT NUMBER: 6376225

TITLE: ISOLATED HUMAN PHOSPHODIESTERASE PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN PHOSPHODIESTERASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001063

FILING DATE: 03/09/2001 SERIAL NUMBER: 09801861 ISSUE DATE: 12/10/2002 PATENT NUMBER: 6492154

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001098

FILING DATE: 03/05/2001 SERIAL NUMBER: 09797906 ISSUE DATE: 12/11/2001 PATENT NUMBER: 6329188

TITLE: ISOLATED HUMAN PROTEASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN PROTEASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001151-CIP

FILING DATE: 07/10/2001 SERIAL NUMBER: 09901151 ISSUE DATE: 01/13/2004 PATENT NUMBER: 6677144

TITLE: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001155CIP

SERIAL NUMBER: 09799345 FILING DATE: 03/06/2001 PATENT NUMBER: 6323016 ISSUE DATE: 11/27/2001

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001156

FILING DATE: 03/09/2001 SERIAL NUMBER: 09801876 ISSUE DATE: 12/10/2002 PATENT NUMBER: 6492155

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001160

FILING DATE: 03/20/2001 SERIAL NUMBER: 09811825 PATENT NUMBER: 6638738 ISSUE DATE: 10/28/2003

TITLE: ISOLATED HUMAN LIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN LIPASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001170

FILING DATE: 03/22/2001 SERIAL NUMBER: 09813918 PATENT NUMBER: 6383789 ISSUE DATE: 05/07/2002

TITLE: ISOLATED HUMAN UDP-GLYCOSYLTRANSFERASE, NUCLEIC ACID MOLECULES

ENCODING HUMAN UDP-GLYCOSYLTRANSFERASE, AND USES THEREOF

DOCKET NUMBER: CL001175

SERIAL NUMBER: 09813819 FILING DATE: 03/22/2001 PATENT NUMBER: 6294368 ISSUE DATE: 09/25/2001

TITLE: ISOLATED HUMAN METALLOPROTEASE PROTEINS, NUCLEIC ACID MOLECULES

ENCODING HUMAN PROTEASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001177

SERIAL NUMBER: 09813817 FILING DATE: 03/22/2001 PATENT NUMBER: 6340583 ISSUE DATE: 01/22/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001178

FILING DATE: 03/26/2001 ISSUE DATE: 12/04/2001 SERIAL NUMBER: 09816088 FILING DATE: 03/26/2001 PATENT NUMBER: 6326180

TITLE: ISOLATED HUMAN ENZYME, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME,

AND USES THEREOF

DOCKET NUMBER: CL001181

SERIAL NUMBER: 09817180
PATENT NUMBER: 6340584 FILING DATE: 03/27/2001 ISSUE DATE: 01/22/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001183

SERIAL NUMBER: 09820001 PATENT NUMBER: 6387680 FILING DATE: 03/29/2001 PATENT NUMBER: 6387680 ISSUE DATE: 05/14/2002

TITLE: ISOLATED HUMAN LIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN LIPASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001186

SERIAL NUMBER: 09873404 FILING DATE: 06/05/2001 PATENT NUMBER: 6500656 ISSUE DATE: 12/31/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001212CIP

SERIAL NUMBER: 09821736 FILING DATE: 03/30/2001 PATENT NUMBER: 6326182 ISSUE DATE: 12/04/2001

TITLE: ISOLATED HUMAN LIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN LIPASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001216

SERIAL NUMBER: 09984880 FILING DATE: 10/31/2001 PATENT NUMBER: 6489153 FILING DATE: 12/03/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001305

SERIAL NUMBER: 09984890 FILING DATE: 10/31/2001 PATENT NUMBER: 6492156 ISSUE DATE: 12/10/2002

TITLE: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING

HUMAN KINASE PROTEINS, AND USES THEREOF

DOCKET NUMBER: CL001306

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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Execution Date: June 28, 2002	Additional name(s) & address(ex) attached? 📮 Yes 🥻 No				
	cation, the execution date of the application is:  B. Patent No.(s)  SEE EXHIBIT A  actual? Service Involved: 122				
Name: Celera Genomics	7. Total fee (37 CFR 3.41)\$ 4880.00				
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City: Rockville, State: Maryland Zip: 20850-1159	(Attach duplicate copy of this page if paying by deposit account)				
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1. CL000536-CIP	6,534,299
2. CL000615	6,582,935
3. CL000636	6,331,423
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38. CL001212-CIP	6,500,656
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DOCKET NO.	<u>APPLN. NO.</u>
42. CL000258-CIP4	09/933,267
43. CL000280	09/768,185
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122.CL001321	10/144,771

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